

IN THE CLAIMS:

Please amend the claims as follows:

1. (Currently Amended) A broadband driver for signals that are transmitted in different frequency ranges via a transmission channel, comprising:
  - (a) a first broadband driver circuit for driving first transmission signals having signal frequencies that lie in a first frequency range;
  - ~~(a)~~ (b) a second broadband driver circuit for driving second transmission signals having signal frequencies that lie in a second frequency range;
  - (c) wherein the first broadband driver circuit and the second broadband driver circuit have a signal output, and wherein the signal outputs of both broadband drivers are connected in parallel to said transmission channel; and
  - ~~(b)~~ (d) wherein at least one of the two broadband driver circuits has a frequency-dependent positive-feedback circuit for impedance synthesis of a frequency-dependent output impedance of the broadband driver circuit, and ~~[[where]]~~ wherein the output impedance has a ~~different value in the first frequency range than in the second frequency range~~ first resistance value in the first frequency range and a second resistance value in the second frequency range.
2. (Previously Presented) The broadband driver as claimed in claim 1, wherein the first broadband driver circuit is designed to drive audio frequency voice signals, audio frequency ringing signals and DC signals.

3. (Previously Presented) The broadband driver as claimed in claim 1, wherein the second broadband driver circuit is designed to drive radio frequency data signals.
4. (Previously Presented) The broadband driver circuit as claimed in claim 1, wherein the first broadband driver circuit has a signal preamplifier circuit connected to its input.
5. (Previously Presented) The broadband driver as claimed in claim 1, wherein the positive-feedback circuit feeds a signal output of the first broadband driver circuit to a signal input of the first broadband driver circuit.
6. (Previously Presented) The broadband driver as claimed in claim 5, wherein the positive-feedback circuit feeds the signal output of the first broadband driver circuit to a signal input of the signal preamplifier circuit.
7. (Previously Presented) The broadband driver as claimed in claim 1, wherein the positive feedback circuit has a complex impedance.
8. (Previously Presented) The broadband driver as claimed in claim 1, wherein the positive-feedback circuit contains a capacitor.
9. (Previously Presented) The broadband driver as claimed in claim 7, wherein the complex impedance of the positive-feedback circuit decreases as the signal frequency increases.
10. (Previously Presented) The broadband driver as claimed in claim 1, wherein the broadband driver circuit have a fully differential design.

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11. (Previously Presented) The broadband driver as claimed in claim 4, wherein the signal preamplifier circuit has a fully differential design.
12. (Canceled)
13. (Previously Presented) The broadband driver as claimed in claim 12, wherein the transmission channel is a two-wire telephone line.
14. (Previously Presented) The broadband driver as claimed in claim 1, wherein the signal output of the second broadband driver circuit is connected to a transformer circuit.
15. (Previously Presented) The broadband driver as claimed in claim 3, wherein the radio frequency data signal is an xDSL signal.